

			<b>AWOC Severe Track 2013</b>  Warning Decision Training Branch	
Severe Track	Change Information			
Module	Summary of Changes	Recommended Learning Plan	Target Audience	Module Notes:
<b>IC Severe 1: Conceptual Models for Origins and Evolutions of Convective Storms:</b>	50% updated graphics, all new recordings, updated SCORM tests	WDTB AWOC Severe Full FY13	DLOC Graduates 2012-13 (and those severe weather forecasters and warning meteorologists needing training on latest conceptual models of storms and associated hazards)	Duration of IC 1= 3 hrs
<b>Lesson 1 Supercells</b>	Added new science from Vortex 2 of role of vortex arches and RFD surges in tornadogenesis	WDTB AWOC Severe Full FY13	DLOC Graduates 2012-13 (and those severe weather forecasters and warning meteorologists needing training on latest conceptual models of tornadogenesis)	Additions provided by Les Lemon, Brad Grant
<b>Lesson 2 Hail Storms</b>	Redesigned with similar content from last publishing in 2009; Added SHIP hail forecasting parameter	WDTB AWOC Severe Full FY13	DLOC Graduates 2012-13 (and those needing training on latest conceptual models of hailstorms)	Updates provided by Robert Prentice  Radar identification of hail is covered in DLOC Topic 7, Lesson 6: Severe Hail Detection
<b>Lesson 3 Flash Flooding</b>	Redesigned with focus on synoptic scale patterns and met ingredients associated with heavy rainfall and flash flood events. Plus, module discusses the trends and biases of quantitative precipitation forecasts and their role in heavy rainfall forecasting.	WDTB AWOC Severe Full FY13; WDTB AWOC FF Track FY13	DLOC Graduates 2012-13 (and those needing training on latest conceptual models of flash flood producing storms)	Updates provided by Steve Martinaitis
<b>IC Severe 2: Threat Assessment</b>	Redesigned to focus on typical job tasks of the meso-analyst (0-6 hr) time frame	WDTB AWOC Severe Full FY13	DLOC Graduates 2012-13 (and those needing training on mesoanalysis duties)	Updates provided by Chris Spannagle and Robert Prentice. IC Duration = 2.5 hrs
<b>Lesson 1 Lifting Mechanisms</b>	New graphics, recordings, case studies	WDTB AWOC Severe Full FY13	DLOC Graduates 2012-13 (and those needing training on mesoanalysis duties)	
<b>Lesson 2 Short-term Assessment</b>	New graphics. Recordings, case studies	WDTB AWOC Severe Full FY13	DLOC Graduates 2012-13 (and those needing training on mesoanalysis duties)	
<b>Lesson 3 Threat Assessment of QLCS</b>	No major changes since 2009 publishing	WDTB AWOC Severe Full FY13, WDTB Derecho FY13	DLOC Graduates 2012-13 (and those needing training on recognizing high-end QLCS environment)	
<b>IC Severe 3: Storm Interrogation</b>	New Module on Tornado Warning Guidance; significant content moved to <a href="#">DLOC Topic 7</a>	WDTB AWOC Severe Full FY13	DLOC Graduates 2012-13 (and those needing training on strategies for interpreting storm-scale signatures for assessing severe threats and impacts)	Updates provided by Jim LaDue IC Duration = 3 hrs (approx.)
<b>IC Severe 3: Locating Updrafts</b>	No changes	WDTB AWOC Severe Full FY13	DLOC Graduates 2012-13 (and those needing training on strategies for interpreting storm-scale signatures for assessing severe threats and impacts)	
<b>IC Severe 3: Updraft Strength</b>	No changes	WDTB AWOC Severe Full FY13	DLOC Graduates 2012-13 (and those needing training on strategies for interpreting storm-scale signatures for assessing severe threats and impacts)	

IC Severe 3: Tornadogenesis	3 modules (2 new)	WDTB AWOC Severe Full FY13	DLOC Graduates 2012-13 (and those needing training on strategies for interpreting storm- scale signatures for assessing severe threats and impacts)	Updates provided by Jim LaDue and Les Lemon
Tornado Warning Guidance	New for 2012	WDTB AWOC Severe Full FY13	DLOC Graduates 2012-13 (and those needing training on strategies for operational decision making for assessing tornado intensity based on radar signatures)	
Supercell Collapse Phase	No changes since 2011	WDTB AWOC Severe Full FY13		
Storm Interrogation Strategies of QLCS Mesovortices	No changes since 2009	WDTB AWOC Severe Full FY13; WDTB Derecho FY13	DLOC Graduates 2012-13 (and those needing training on strategies for operational decision making for assessing QLCS mesovortex signatures)	
Warning Decision Making Issues with Derecho Producing QLCS Events	New	WDTB Derecho FY13	Those warning mets needing training on warning techniques and strategies for identifying derecho producing QLCS impacts.	Based on Historic Derecho of June 29, 2012 Service Assessment (Duration: 1 hr)
Forecast Challenge	3 Weeks of forecasting required/ must attend 1 debrief	WDTB AWOC Severe Full FY13	DLOC Graduates 2012-13	Fully automated; runs from April - June
Warning Scenario Instructor-Led Training	New for 2012	WDTB AWOC Severe Full FY13	DLOC Graduates 2012-13	Focuses on advanced warning decision making scenarios
WES Simulations	Four new developed for 2012	WDTB AWOC Severe Full FY13; WDTB AWOC FF Track FY13	DLOC Graduates 2012-13	Uses Dual-Pol products; GOES-R Product evaluation; Hydro Track uses Duluth, MN June 19, 2012 flood event